

Amendments to the Claims

1. (original) Apparatus comprising:

a diagnostic article, wherein the diagnostic article includes service data, and

wherein when the diagnostic article is placed in operative connection with an

automated banking machine the diagnostic article is operative to cause at least one

controller in the machine to enable access to diagnostic data stored in the machine

concerning at least one transaction function device of the machine, and to enable

output of indicia to a user through at least one output device responsive to the

service data.

2. (original) The apparatus according to claim 1 wherein the diagnostic article

includes service data such that when the article is placed in operative connection with an

automated banking machine the diagnostic article is operative to cause at least one controller in

the machine responsive to the service data to enable output through at least one output of the

machine indicia indicative of significance of the diagnostic data.

3. (original) The apparatus according to claim 2 wherein the diagnostic data includes

service data such that when the article is placed in operative connection with an automated

banking machine, the machine having the plurality of transaction function devices including a

currency dispenser device, and the diagnostic data is associated with the currency dispenser

device, at least one controller in the machine responsive to the service data and the diagnostic data enables at least one output device of the machine to output indicia indicative of significance of the diagnostic data associated with the currency dispenser device.

4. (original) The apparatus according to claim 1 wherein the diagnostic article includes at least one secret code, and wherein when the diagnostic article is placed in operative connection with an automated banking machine, at least one controller in the machine enables access to at least a portion of the diagnostic data responsive to the article including the at least one secret code.

5. (currently amended) The apparatus according to claim ~~5~~ 4 wherein the at least one secret code is adapted such that when the diagnostic article is placed in operative connection with an automated banking machine, access to at least a portion of the diagnostic data is enabled by at least one controller in the machine responsive to the article including the at least one secret code and a current date determined through operation of the at least one controller.

6. (original) The apparatus according to claim 4 wherein the at least one secret code is adapted such that when the diagnostic article is placed in operative connection with an automated banking machine, access to at least a portion of the diagnostic data is enabled by at least one controller in the machine responsive to the article including the at least one secret code and at least one input to an input device on the machine.

7. (original) The apparatus according to claim 3 wherein the diagnostic article includes service manual data such that when the article is placed in operative connection with an automated banking machine, at least one controller in the machine is operative to enable output of indicia corresponding to the service manual data through at least one output device on the automated banking machine.

8. (original) The apparatus according to claim 7 wherein the service manual data is encrypted such that when the diagnostic article is placed in operative connection with an automated banking machine, at least one controller of the automated banking machine is operative to decrypt the service manual data.

9. (original) The apparatus according to claim 8 wherein the diagnostic article includes service manual data such that when the article is placed in operative connection with a computer device not in operative connection with an automated banking machine, the computer device is operative to output indicia corresponding to the service manual data.

10. (original) The apparatus according to claim 3 wherein the diagnostic article includes browser software, and wherein responsive to the diagnostic article being placed in operative connection with an automated banking machine, at least one controller in the automated banking machine is operative to load the browser software from the diagnostic article.

11. (original) The apparatus according to claim 10 wherein the service data is adapted to be processed by the browser software, and wherein responsive to the diagnostic article being in operative connection with an automated banking machine, at least one controller of the automated banking machine is operative to process the service data using the browser software and to output indicia through at least one output device of the automated banking machine.

12. (currently amended) The apparatus according to claim 11, wherein the browser software is adapted to interpret ~~non-standard imbedded~~ nonstandard embedded instructions in the service data.

13. (original) The apparatus according to claim 1 wherein the diagnostic article includes diagnostic instructions, and wherein when the diagnostic article is placed in operative connection with an automated banking machine, at least one controller in the machine is operative responsive to the diagnostic instructions to cause the at least one controller to interact with at least one of a plurality of transaction function devices in the machine to conduct at least one diagnostic test.

14. (original) The apparatus according to claim 13 wherein the service data included on the diagnostic article is operative when the diagnostic article is in operative connection with an automated banking machine, to cause at least one controller in the machine responsive to the service data and the result of the at least one diagnostic test, to cause the output of indicia to an output device on the automated banking machine corresponding to at least one remedial action.

15. (original) The apparatus according to claim 13 wherein the service data on the diagnostic article is such that the diagnostic instructions are not executed when the diagnostic article is placed in operative connection with a computer device not in operative connection with an automated banking machine.

16. (original) The apparatus according to claim 15 wherein the service data included on the diagnostic article is operative to cause a computer device not in operative connection with an automated banking machine to output indicia corresponding to at least one service activity for an automated banking machine.

17. (original) The apparatus according to claim 16 wherein the diagnostic article comprises a CD.

18. (original) The apparatus according to claim 3 and further comprising an automated banking machine including at least one controller in operative connection with at least one output device and a plurality of transaction function devices including a currency dispenser device, and wherein the at least one controller is operative responsive to the service data when the article is in operative connection with the at least one controller to enable outputs of indicia through at least one output device indicating significance of at least a portion of the diagnostic data.

19. (original) The apparatus according to claim 18 wherein the automated banking machine comprises at least one data store, and wherein at least a portion of the diagnostic data is stored in protected relation in the data store, and wherein the controller enables indicia corresponding to at least a portion of the diagnostic data to be output through at least one output device on the machine only when the diagnostic article is in operative connection with the at least one controller.

20. (original) The apparatus according to claim 18 wherein responsive to the diagnostic article being placed in operative connection with the at least one controller of the banking machine, the at least one controller is enabled to conduct at least one diagnostic test operation including operation of at least one of the transaction function devices.

21. (new) Apparatus comprising:

a diagnostic article, wherein the diagnostic article includes service data and data corresponding to at least one secret code, and wherein when the diagnostic article is in operative connection with an automated banking machine, the diagnostic article is operative to cause at least one controller in the machine responsive to the article including the data corresponding to the at least one secret code and a current date as determined by the at least one controller, to enable access to at least a portion of diagnostic data stored in the machine concerning at least one

transaction function device of the machine, and to enable output of indicia through at least one output device responsive to the service data.

22. (new) Apparatus comprising:

a diagnostic article, wherein the diagnostic article includes service data, and wherein when the diagnostic article is in operative connection with an automated banking machine including a currency dispenser device, the diagnostic article is operative to cause at least one controller in the machine to enable access to diagnostic data stored in the machine concerning the currency dispenser device, and to enable responsive to the service data, output through at least one output device of the machine, indicia indicative of significance of the diagnostic data concerning the currency dispenser device, and wherein the diagnostic article further includes service manual data such that when the article is in operative connection with an automated banking machine, the article is operative to enable at least one controller in the machine to cause indicia corresponding to the service manual data to be output through at least one output device of the machine, wherein at least a portion of the service manual data is encrypted such that when the diagnostic article is placed in operative connection with an automated banking machine, at least one controller of the automated banking machine is operative to decrypt at least a portion of the service manual data.

23. (new) The apparatus according to claim 22 wherein the diagnostic article includes service manual data such that when the article is in operative connection with a computer device not in operative connection with an automated banking machine, the computer device is operative to output indicia corresponding to the service manual data.

24. (new) Apparatus comprising:

a diagnostic article, wherein the diagnostic article includes service data and diagnostic instructions, and wherein when the diagnostic article is in operative connection with an automated banking machine, at least one controller of the machine is operative responsive to the diagnostic instructions to cause the at least one controller to interact with at least one of a plurality of transaction function devices of the machine to conduct at least one diagnostic test, and wherein when the diagnostic article is in operative connection with a computer device not in operative connection with an automated banking machine, the diagnostic instructions are not executed, and wherein the service data included on the diagnostic article is operative to cause a computer device not in operative connection with an automated banking machine to output indicia corresponding to at least one service activity for an automated banking machine.

25. (new) The apparatus according to claim 24 wherein the diagnostic article comprises a CD.

26. (new) Apparatus comprising:

a portable storage medium, wherein the portable storage medium includes service data, and wherein when the portable storage medium is in operative connection with an automated banking machine, at least one controller in the machine is operative responsive to the portable storage medium, to access diagnostic data stored in at least one data store of the machine concerning at least one transaction function device of the machine, and to enable output of indicia through at least one output device of the machine responsive to the service data.

27. (new) The apparatus according to claim 26 wherein the portable storage medium comprises a CD.

28. (new) The apparatus according to claim 26 wherein the portable storage medium comprises a DVD.

29. (new) The apparatus according to claim 26 wherein the portable storage medium comprises a flash memory device.

30. (new) Apparatus comprising:

a diagnostic article adapted to be operatively connected to and disconnected from an ATM capable of dispensing cash, wherein the diagnostic article includes

computer readable ATM service data capable of being read through operation of the ATM, wherein at least a portion of the ATM service data is encrypted and is capable of being decrypted by diagnostic software operating in at least one processor of the ATM, wherein the decrypted ATM service data is capable of being used by the diagnostic software operating in the at least one processor of the ATM to enable visual information to be provided through a display device of the ATM, at least some of which visual information is provided responsive to ATM service data read from the diagnostic article and diagnostic data stored in at least one data store of the ATM, which diagnostic data concerns at least one operational characteristic of at least one transaction function device of the machine.

31. (new) The apparatus according to claim 30 wherein the diagnostic article comprises a portable storage medium.
32. (new) The apparatus according to claim 31 wherein the portable storage medium comprises a CD.
33. (new) The apparatus according to claim 31 wherein the portable storage medium comprises a DVD.
34. (new) The apparatus according to claim 31 wherein the portable storage medium comprises a portable flash memory device.

35. (new) The apparatus according to claim 30, wherein the ATM service data includes data capable of being used by the diagnostic software operating in the at least one processor of the ATM to cause the visual information to be provided through the display device, which visual information includes indicia indicative of significance of the diagnostic data.

36. (new) The apparatus according to claim 35, wherein the decrypted ATM service data enables the at least one processor to output the indicia indicative of significance.

37. (new) The apparatus according to claim 35, wherein the indicia indicative of significance corresponds to diagnostic data stored in at least one data store of the machine concerning at least one operational characteristic of a cash dispenser of the machine.

38. (new) The apparatus according to claim 30, wherein the diagnostic article includes data corresponding to at least one code capable of being read from the diagnostic article through operation of the ATM, wherein the at least one code is capable of being authenticated through operation of the at least one processor of the ATM, wherein successful authentication of the at least one code is operative to enable the diagnostic software operating in the at least one processor of the ATM to cause the visual information to be provided through the display device of the ATM, and wherein unsuccessful authentication of the at least one code is operative to prevent the diagnostic software operating in the at least one processor of the ATM from causing the visual information to be provided through the display device of the ATM.

39. (new) The apparatus according to claim 38, wherein the encrypted ATM service data corresponds to the at least one code.

40. (new) The apparatus according to claim 38, wherein the at least one code is capable of being authenticated with respect to at least one of a date determined through operation of the at least one processor, an input provided through an input device of the ATM, and data stored in the ATM.

41. (new) The apparatus according to claim 40, wherein the diagnostic article includes the diagnostic software capable of being read from the diagnostic article by the at least one processor of the ATM, wherein the diagnostic software is operative in the at least one processor of the ATM to authenticate the at least one code.

42. (new) The apparatus according to claim 30, wherein the diagnostic article includes at least a portion of the diagnostic software stored thereon.

43. (new) The apparatus according to claim 42, wherein the diagnostic software includes a browser capable of selectively accessing different portions of ATM service data from the diagnostic article.

44. (new) The apparatus according to claim 30, wherein the diagnostic article includes diagnostic instructions capable of enabling the at least one processor to interact with at least one

of a plurality of transaction function devices in the ATM to operate to conduct at least one diagnostic test.

45. (new) Apparatus comprising:

a portable computer readable storage medium, wherein the portable storage medium includes service data including diagnostic instructions, and wherein when the portable storage medium is placed in operative connection with a cash dispensing automated banking machine:

the portable storage medium is operative to cause at least one controller in the machine to enable access to diagnostic data stored in at least one data store of the machine concerning at least one transaction function device of the machine, and to enable output of indicia through at least one output device of the machine responsive to at least a portion of the service data; and

the at least one controller in the machine is operative responsive to the diagnostic instructions to cause the at least one controller to cause the at least one transaction function device of the machine to operate to conduct at least one diagnostic test.

46. (new) The apparatus according to claim 45 wherein the portable storage medium comprises a CD.

47. (new) The apparatus according to claim 45 wherein the portable storage medium comprises a DVD.

48. (new) The apparatus according to claim 45 wherein the portable storage medium comprises a portable flash memory device.

49. (new) An article comprising:

computer readable media adapted to be selectively operatively connected with and disconnected from a cash dispensing automated banking machine, wherein the computer readable media includes computer executable instructions including service manual data corresponding to a plurality of service procedures for a cash dispensing automated banking machine, wherein when the article is in operative connection with a cash dispensing automated banking machine, at least one processor of the machine is operative responsive to the instructions to access diagnostic data stored in at least one data store of the machine concerning operation of at least one transaction function device of the machine, wherein the at least one transaction function device is operative to cause cash to be dispensed from the machine, and wherein the at least one processor of the machine is operative responsive to the accessed diagnostic data and service manual data to cause at

least one output device of the machine to output indicia corresponding to at least one service procedure for the machine.

50. (new) The article of claim 49 wherein the instructions including service manual data are capable of being processed through operation of browser software to produce a plurality of outputs corresponding to a plurality of service procedures, and wherein when the article is in operative connection with the automated banking machine, browser software operating in the at least one processor of the machine is operative to cause the indicia corresponding to the at least one service procedure to be output through the at least one output device of the machine.

51. (new) The article of claim 49, wherein the instructions are operative to enable at least one processor to access diagnostic data stored in a protected form in at least one data store of an automated banking machine, and wherein when the article is in operative connection with the automated banking machine at least one processor of the machine is operative responsive to the instructions to access diagnostic data stored in the protected form in at least one data store of the machine, and to cause the at least one output device to output indicia responsive to the diagnostic data accessed in the protected form.

52. (new) The article according to claim 49 wherein the instructions include at least one secret code, and wherein when the article is in operative connection with the automated banking machine, the at least one processor of the machine is operative to authenticate the article responsive to the at least one secret code, and the at least one processor is operative responsive to

successful authentication of the article to cause the output of the indicia from the at least one output device of the machine.

53. (new) An article according to claim 49 wherein the instructions include instructions operative to cause an automated banking machine to carry out at least one diagnostic test including operation of at least one transaction function device that causes currency to be dispensed from the machine, wherein when the article is in operative connection with the automated banking machine, at least one processor of the machine is operative to cause the machine to carry out the at least one diagnostic test, to determine at least one result responsive to carrying out the at least one test and to cause at least one output device of the machine to output indicia corresponding to the at least one result of the at least one diagnostic test.